

# Soil Resource Consultants

P.O. Box 752

Meriden, CT 06450

January 21, 2020

**SRC Job No. 19 - 24**

Robert Hiltbrand, P.E.  
R.R. Hiltbrand Engineers & Surveyors, L.L.C.  
575 North Main Street  
Bristol, CT 06010

Dear Mr. Hiltbrandt:

**Re: Vernal Pool Monitoring - MBL: 2-03-33 - Prospect Street - Burlington, CT**

At your request, I have completed a series of onsite investigations of this site. The purpose of my investigations was to determine the presence or absence of functioning vernal pools on this property. The field work was completed during the period of late March through early June, 2019. Six separate observation visits to this site were made during this time period.

The subject site contains one (1) pool area located the delineated wetland bounded by flags WF-56 to 82. Maximum water depth within the pool limits was observed to be less than 2 feet during the study period. Only one central area had persistent surface water pooling during my observations.

Spring rainfall amounts during the monitoring period were at or above normal averages. The subject pool area was filled to its apparent regular configuration based on existing contours and discolored leaf material (indicative persistent inundation).

The following photograph indicates the general character of the subject pocket wetland during the study period.



The first photograph shows the overall character of the subject wetland pocket. It consists of an extremely stony shallow depression. Signs of standing water were observed in shallow depressions. These small shallow depressions were not interconnected and were generally less than 6 inches deep.

**Photo #2 - Southeasterly View of Main Area of Surface Pooling**



The above photo taken in early May of 2019 shows the absence of any pooling water within the largest and deepest of the surface water pooling areas.

**Photo #3 - Easterly View of Main Pooling Area in Center of Wetland on May 24, 2019**



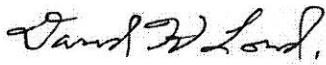
As indicated in Photo #3 by May 24<sup>th</sup> all portions of the subject pocket wetland were saturated to the soil surface but only a few subareas where localized extremely small areas off 1-2 inches of surface water were present.

**Conclusion**

Based on my observations of the subject wetland area during the appropriate spring monitoring period, this wetland does not contain or function as a vernal pool.

If you have any questions regarding this report, or need additional assistance with this site, please contact me. I am available to attend Inland Wetland Commission meetings and site walks.

Sincerely,



**David H. Lord**

Certified Soil Scientist

& Environmental Consultant